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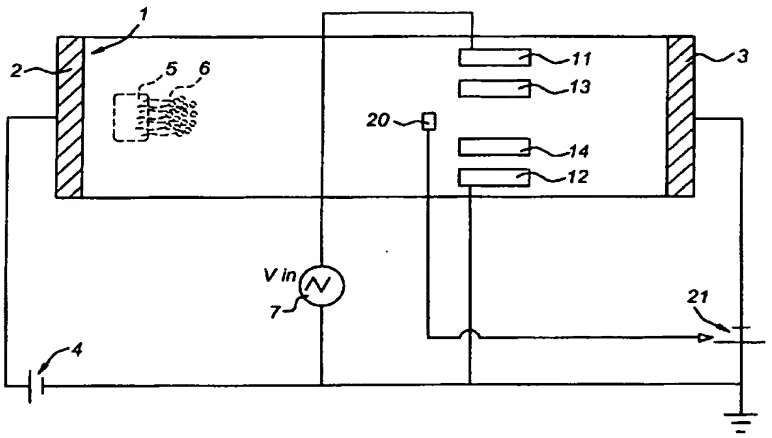
(54) Title: ELECTROPHORETIC SYSTEM WITH PROTECTION FOR ITS DETECTORS



(57) Abstract: Electrophoretic system having a separation system and a detection system, where the separation system has a channel (1) and a first separation electrode (2) located at a first end of the channel (1) and a second separation electrode (3) located at the second end of the channel (1), where the separation system is arranged in such a way that a potential difference can be applied between the first and second separation electrode (2, 3), where the detection system, in use, is positioned close to the channel (1) or inside the channel (1), the system having means to reduce a voltage difference between the separation system and the detection system in order to prevent electrical breakthrough between the separation system and the detection system.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N27/447

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used).
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 196 887 A (US3649499 PEKKA KIVALO; RAUNO ERKKI VIRTANEN) 1 July 1970 (1970-07-01) page 2, left-hand column, line 101 -page 3, right-hand column, line 11; figure 4 ---	1
X	EP 0 475 713 A (UNIV LELAND STANFORD JUNIOR) 18 March 1992 (1992-03-18) figures 4,5 --- -/—	1,2

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
A	BASTEMEIJER J ET AL: "Electronic protection methods for conductivity detectors in micro capillary electrophoresis devices" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA , S.A., LAUSANNE, CH, vol. 83, no. 1-3, 15 March 2002 (2002-03-15), pages 98-103, XP004344491 ISSN: 0925-4005 cited in the application figure 3 ---	1-9
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A	PARK S ET AL: "VOLTAMMETRIC DETECTION FOR CAPILLARY ELECTROPHORESIS" ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US, vol. 69, no. 15, 1 August 1997 (1997-08-01), pages 2994-3001, XP000699463 ISSN: 0003-2700 page 2995; figure 1 -----	1-9

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